

A 100% renewable gas mix in 2050?



Interested in exploring the potential of a 100% renewable gas mix by 2050 in France, ADEME, GrDF and GRTgaz chose to work with a team led by Solagro to conduct a prospective feasibility study.

Déroulement

study was organized in three parts: - an evaluation of the availability of resources to produce renewable gas through three main processes (anaerobic digestion, gasification, power-to-gas) - an evaluation of the total demand for gas in 2050, taking into account both global energy savings and a new demand for fuel gas - the need to optimize the balance between supply and demand via an adaptation of existing networks.

Résultats

ally, different scenarios were created to test the sensitivity to various issues: - the relative importance of renewable gas in the total energy mix - resource accessibility